

SYLLABUS BOOK
CLASS–XII SCIENCE
(2021-22)

SUBJECT:- ENGLISH

<u>TERM-1</u>		
MONTH	LESSON NAME	ACTIVITY
APRIL	L-1 The Last Lesson L-2 Lost Spring- the stories of stolen childhood	Presentation done in Literacy device
MAY	L-3 Deepwater Poetry- 1. My Mother At Sixty Six 2. An Elementary Class room	Extempore
JUNE	Poetry - 3. Keeping Quiet Vistas - The Third Level	Quiz of Tenses
JULY	Vistas - The Enemy, Should Wizard Hit Mommy Writing - Letter Writing, Notice	Speech presentation
AUGUST	Vistas - On the face of It Writing – Advertisement, Revision of Term- 1 Syllabus	ASI (Term – 1)
SEPTEMBER	MID TERM ASSESSMENT	
OCTOBER	Revision of All Syllabus Done Ch-1,2,3,4,5(Flamingo) ,Poem Ch-1,3,4 Vistas Ch-1,2,3,4, Notice , Advertisement	
NOVEMBER	IST PRE BOARD MID TERM EXAMS (CBSE BOARD) Complete syllabus of Term `1	
<u>TERM-2</u>		
DECEMBER	Writing - Letter Writing, Invitation and Reply Flamingo The Rattrap Indigo	Debate
JANUARY	Vistas - Evans Tries An O Level Poem - 4. A Thing of beauty, 5. Aunt Jennifer’s Tiger	Practice of ASL
FEBRUARY	PRE BOARD – II Complete Syllabus Revision	ASI (Term – 2)

SUBJECT:- PHYSICS

TERM-1

MONTH	LESSON NAME	ACTIVITY
APRIL	Chapter 1: Electric charges and fields Chapter 2: Electric potential and capacitance	1. Two determine of two/three wires by plotting a graph of V & I . 2. Two find Resistance of a given wire using meter Bridge.
MAY	Chapter 2: Electric potential and capacitance (cont.) Chapter 3: Current electricity	3. Comparing resistors using potentiometer. 4. Galvanometer to Voltmeter (or Ammeter)
JUNE	Chapter 4: Moving charges and magnetism Chapter 5: Magnetism and matter	5. To find the frequency of AC mains with a sonometer
JULY	Chapter 5: Magnetism and matter(cont.) Chapter 6: Electromagnetic induction	6. To determine the Resistance of a Galvanometer using half deflection method.
AUGUST	Chapter 6: Electromagnetic induction (cont.) Chapter 7: Alternating current	
SEPTEMBER	MID TERM ASSESSMENT	
OCTOBER	Revision of All Syllabus Done Chapter 7: Alternating current (cont.)	
NOVEMBER	IST PRE BOARD MID TERM EXAMS (CBSE BOARD)	

TERM-2

DECEMBER	Chapter 8: Electromagnetic waves Chapter 9: Ray optics and optical instruments	1. To find the focal length of a convex lens by plotting Graph $\frac{1}{v}$ is $\frac{1}{u}$ 2. To find the focal length of a convex lens by graph.
JANUARY	Chapter 11: Dual nature of radiation and Matter Chapter 12: Atoms Chapter 13: Nuclei	1. Finding angle of minimum deviation for a given prism.
FEBRUARY	PRE BOARD - II	1. Finding refractive index of a glass slab using travelling microscope. 2. Draw I-V characteristics of P-N junction diode in forward and reverse bias.

SUBJECT:- CHEMISTRY

<u>TERM- 1</u>	
MONTH	LESSON NAME
APRIL	Solid State
MAY	Solutions
JUNE	surface chemistry
JULY	P- Block elements, Biomolecules
AUGUST	Biomolecules ,Organic Chemistry-I
SEPTEMBER	MID TERM ASSESSMENT
OCTOBER	Revision of All Syllabus Done
NOVEMBER	IST PRE BOARD MID TERM EXAMS (CBSE BOARD)
<u>TERM-2</u>	
DECEMBER	Chemical Kinetics, D&F block Elements, Polymer Chemistry
JANUARY	Co-ordination Compound , General principle and process of Isolation Organic Chemistry-II
FEBRUARY	PRE BOARD - II

SUBJECT:- MATHEMATICS

<u>TERM- 1</u>	
MONTH	LESSON NAME
APRIL	Ch- 1 Relation & Function, Ch- 2 Basic Functions type of functions
MAY	Ch-3 Algebra of matrices, Ch- 4 Determinants
JUNE	Ch- 5 Continuity and Differentiation , Ch-6 Application of Derivatives(AOD)
JULY	Ch-6 Application of Derivatives(AOD) continued
AUGUST	Integral calculus(Indefinite), Applications of Integrals, Practical File
SEPTEMBER	MID TERM ASSESSMENT AOD, C & D, Matrices & Determinants , Differentiation
OCTOBER	Revision of All Syllabus Done Vector and 3-D
NOVEMBER	IST PRE BOARD MID TERM EXAMS (CBSE BOARD) 3-D, Probability, matrices and Determinants, Continuity and Differentiation, AOD, Integral , relation and function
<u>TERM-2</u>	
DECEMBER	Probability
JANUARY	Revision Practical File
FEBRUARY	Revision, PRE BOARD - II

SUBJECT:- BIOLOGY

<u>TERM- 1</u>	
MONTH	LESSON NAME
APRIL	Ch 2 Sexual reproduction in plants
MAY	Ch 3 Human reproduction
JUNE	Ch 4 Reproductive health
JULY	Ch 5 Principles of inheritance and variations
AUGUST	Ch 6 Molecular basis of inheritance
SEPTEMBER	MID TERM ASSESSMENT
OCTOBER	Revision of All Syllabus Done Ch 8 Human health and disease Ch10 Microbes in human welfare
NOVEMBER	IST PRE BOARD/ MID TERM EXAMS (CBSE BOARD) Revision
<u>TERM-2</u>	
DECEMBER	Ch 11 Principles and processes of biotechnology Ch 12 Applications of biotechnology
JANUARY	Ch 13 Organisms and populations Ch 15 Biodiversity and its conservation
FEBRUARY	PRE BOARD - II

SUBJECT:- PHYSICAL EDUCATION

<u>TERM- 1</u>		
MONTH	LESSON NAME	ACTIVITY
APRIL	Unit- 1 Planning in Sports	Aapher Test, Barrow Fitness Test
MAY	Unit .2 Sports and Nutrition	Aapher Test, Barrow Fitness Test
JUNE	Unit – 5 Children and Women in Sports	
JULY	Unit -6 Test And Measurement and Sports	Yoga, Motor Fitness
AUGUST	Unit – 8 Biomechanics & Sports	Yoga, Motor Fitness
SEPTEMBER	MID TERM ASSESSMENT	
OCTOBER	Revision of All Syllabus Done Ch-1,2,5,6,8	
NOVEMBER	IST PRE BOARD MID TERM EXAMS (CBSE BOARD)	
<u>TERM-2</u>		
DECEMBER	Unit- 3 Yoga and Lifestyle Unit – 4 Physical Edu. and Sports For CWSN	
JANUARY	Unit—7 Physiology & Injuries in Sports Unit –9 Psychology and Sports Unit- 10 Training in Sports	
FEBRUARY	PRE BOARD - II	

SUBJECT: - FINE ARTS

<u>TERM- 1</u>		
MONTH	LESSON NAME	ACTIVITY
APRIL	Unit 1:- The Rajasthani school of Miniature Painting	Object Study with Pencil Handling
MAY	Unit 1:- The Pahari school of Miniature Painting	Landscape PAinting
JUNE	Unit 2:- The Mughal School of Miniature Painting	Shill life with water colour
JULY	Unit 2:- The Deccan school of Art	Nature Study with water colour
AUGUST	Unit 1 & Unit 2 Revision	Composition art with water colour
SEPTEMBER	MID TERM ASSESSMENT	
OCTOBER	Revision of All Syllabus Done Unit 3:- The Bengal School of Painting	
NOVEMBER	IST PRE BOARD MID TERM EXAMS (CBSE BOARD) Unit 3:- Contribution of Bengal School of Painting in Indian National freedom development.	
<u>TERM-2</u>		
DECEMBER	Unit 4:- The Modern Trends in Indian Art	Composition Drawing
JANUARY	Comtemporany Indian and Modern Art	Object study with water colour
FEBRUARY	PRE BOARD – II The Bengal School of Painting and the modern trends in Indian Art	Still life and composition art

SUBJECT:- COMPUTER SCIENCE(083)

<u>TERM- 1</u>		
MONTH	LESSON NAME	ACTIVITY
APRIL	Ch- 1 Review of Python Basics	Pythons Programs based o list, string taple dictionary
MAY	Ch- 2 Functions	Pythons Programs based on built in functions and user defined functions
JUNE	Ch- 3 Using Python Libraries	Pythons programs using various modules
JULY	Ch- 4 Data Handling	Text File Binary File & CSV file handling Programs
AUGUST	Ch-5 Program Efficiency	Write Algorithm to show efficiency of a pgm in terms of time.
SEPTEMBER	MID TERM ASSESSMENT	
OCTOBER	Revision of All Syllabus Done Ch-6 Data Structures in Python (Stack)	Pgm to implement push & pop operation in stack
NOVEMBER	IST MID TERM EXAMS (CBSE BOARD) Syllabus completed till October	
<u>TERM-2</u>		
DECEMBER	Ch-8 Computer Networks Ch- 11 Society , Law and Ethics	Make a presentation on different types of commuicaion channels
JANUARY	Ch-9 Interface Python with SQL	Pgm to add delete, update records from data base.
FEBRUARY	PRE BOARD – II Syllabus Completed till January	